

IN THE CLAIMS

Please amend the claims as follows:

1-7 (Canceled)

8. (Currently Amended) The method of claims ~~1, 31, 32, 33, or~~ 34, wherein the serotonin agent is administered orally, subcutaneously, topically, or intravenously.

9. (Currently Amended) The method of claims ~~1, 31, 32, 33, or~~ 34, wherein the serotonin agent is a serotonin reuptake inhibitor.

10. (Currently Amended) The method of claims ~~1, 31, 32, 33, or~~ 34, wherein the serotonin agent is a selective serotonin reuptake inhibitor (SSRI).

11. (Currently Amended) The method of claims ~~1, 31, 32, 33, or~~ 34, wherein the serotonin agent is selected from fluoxetine, fluvoxamine, paroxetine, sertraline, and citalopram, and pharmaceutically acceptable salts thereof.

12. (Original) The method of claim 11 wherein the serotonin agent is fluoxetine or a pharmaceutically acceptable salt thereof.

13. (Currently Amended) The method of claims ~~1, 31, 32, 33, or~~ 34, wherein the mammal is a human.

14. (Currently Amended) A method of inhibiting the growth of a ~~cancer~~ melanoma cell comprising contacting the ~~cancer~~ melanoma cell with an effective amount of a serotonin agent.

15. (Canceled).

16. (Original) The method of claim 14 wherein the serotonin agent is a selective serotonin reuptake inhibitor (SSRI).
17. (Original) The method of claim 14 wherein the serotonin agent is selected from fluoxetine, fluvoxamine, paroxetine, sertraline, citalopram, and pharmaceutically acceptable salts thereof.
18. (Original) The method of claim 17 wherein the serotonin agent is fluoxetine or a pharmaceutically acceptable salt thereof.
19. (Currently Amended) The method of claim 15 14 wherein the melanoma cell is a pigmented cell.
20. (Currently Amended) The method of claim 15 14 wherein the melanoma cell is a non-pigmented cell.

21-33 (Canceled)

34. (Previously Presented) A method for the treatment of melanoma in a mammal, which method comprises administering to said mammal an effective anti-melanoma amount of a serotonin agent.

Please add the following new claims:

35. (New) The method of claim 14, wherein the serotonin agent is a serotonin reuptake inhibitor.
36. (New) A method of inhibiting metastasis of melanoma in a mammal, comprising administering to said mammal an effective metastasis-inhibiting amount of a serotonin agent.

37. (New) The method of claim 36, wherein the serotonin agent is administered orally, subcutaneously, topically, or intravenously.
38. (New) The method of claim 36, wherein the serotonin agent is a serotonin reuptake inhibitor.
39. (New) The method of claim 36, wherein the serotonin agent is a selective serotonin reuptake inhibitor (SSRI).
40. ((New) The method of claim 36, wherein the serotonin agent is selected from fluoxetine, fluvoxamine, paroxetine, sertraline, and citalopram, and pharmaceutically acceptable salts thereof.
41. (New) The method of claim 36, wherein the serotonin agent is fluoxetine or a pharmaceutically acceptable salt thereof.
42. (New) The method of claim 36, wherein the mammal is a human.